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²⁰¹² Visualizing sentiments in Business-customer relations with metaphors

Gali, Guia and Oliver, Symon and Chevalier, Fanny and Diamond, Sara

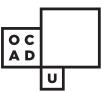
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Visualizing Sentiments in Business-Customer Relations with Metaphors

Exploring how visualization of sentiments, extracted from social media posts, can foster transparency and strengthen relations between businesses and its customers.



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Challenge

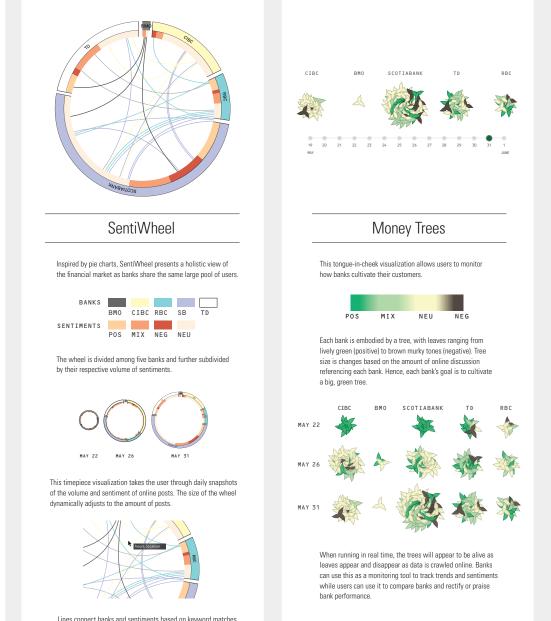
How can we leverage user-generated online posts as a means to foster transparency and strengthen relations between businesses and its customers, through sentiment analysis and visualization?

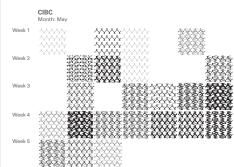
For instance, 'hours and location' could be a positive for RBC but

neutral in others

Rationales

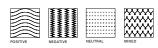
- Social transparency: disclose background processes in a transparent manner
- Sentiment as judgment indicator: help users make decisions based on sentiments and opinions
- Monitoring: track changes in sentiments or topics
- Metaphors: use common contextual metaphors as familiar communication tools



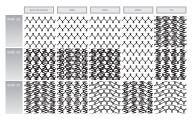


Emotional Tapestry

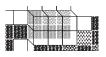
This visualization strives to show the complexity of human emotions by layering sentiments on top of one another. A grid composed of a square per day provides an overview of the wealth and variety of sentiments in online posts.



Each sentiment is represented by a pattern that becomes more prominent as the sentiment increases online. As the tapestry fills, users can spot problems when squares or grids begin to look unsightly or alarming.



The tapestry shows a wider historical overview of sentiments as opposed to temporal snapshots of daily posts.



Overlapping tapestries builds an aggregated view of overall opinions. The tapestry is versatile enough that each square can also represent keyword as opposed to days.